Process Description

At the oil & gas field site well head area only employees of the submitter will handle the LVE substance. Since the submitter is in full control of these activities, we are including the following information in this section rather than in section B Part 1(a). Practically speaking, these activities occur at a site "controlled by the submitter."

Injecting Tracer Chemical into Oil or Gas Bearing Strata
The customer's site is an oil or gas production well-head, which may be either an onshore or offshore (platform) facility.

At the well-head, one or two of the submitter's employees will cooperate to lift and empty the contents of the 5 liter container solution of LVE substance. Transfer is accomplished by pouring the container content into a small holding tank, then rinsing the container with the same solvent and pouring the rinsate into the holding tank. No rinsate is released into the environment. The employees will be equipped with impervious gloves, goggles, and a full Tyvek suit. The total amount of solution needed at the job site is determined before the LVE substance is used; it is the amount needed to achieve an estimated concentration of 1 ppb tracer chemical in oil or gas extracted later from the oil or gas bearing strata.

The LVE substance in solvent is metered from the holding tank into fluid flow injected at high pressure into deep oil-bearing strata in order to facilitate the flow of oil or gas to the point of extraction. As the oil or gas is pumped to the surface, customer employees take periodic samples. The samples are sent to a laboratory in the USA, where they are analyzed for the presence of the tracer.